

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B33/13 C04B28/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E21B C04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 200204 Derwent Publications Ltd., London, GB; Class A93, AN 2002-028940 XP002295616 & JP 2001 146457 A (DENKI KAGAKU KOGYO KK) 29 May 2001 (2001-05-29) abstract	1,2,5,6
X	DATABASE WPI Section Ch, Week 199209 Derwent Publications Ltd., London, GB; Class A93, AN 1992-072444 XP002296443 & ZA 9 100 876 A (SNASHALL H T) 24 December 1991 (1991-12-24) abstract	1,2,4,5

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

16 September 2004

Date of mailing of the international search report

30/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 271 350 A (AMERICAN CYANAMID CO) 13 April 1994 (1994-04-13) page 6 - page 9 -----	1-11
A	WO 01/74967 A (HEYING THEODORE L) 11 October 2001 (2001-10-11) page 4, line 5 - line 20 page 12 - page 13 -----	1-11
A	EP 0 530 768 A (HOECHST AG) 10 March 1993 (1993-03-10) page 3 - page 5 -----	1-11
A	US 4 664 816 A (WALKER CLARENCE O) 12 May 1987 (1987-05-12) column 4 - column 5 -----	9,10

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2001146457	A	29-05-2001	NONE	
ZA 9100876	A	24-12-1991	NONE	
GB 2271350	A	13-04-1994	AU 657637 B2	16-03-1995
			AU 4610093 A	10-03-1994
			CA 2105428 A1	05-03-1994
			DE 4329825 A1	07-04-1994
			FR 2695383 A1	11-03-1994
			JP 6218351 A	09-08-1994
			ZA 9306517 A	11-10-1994
WO 0174967	A	11-10-2001	AU 4575001 A	15-10-2001
			WO 0174967 A1	11-10-2001
			US 2002040812 A1	11-04-2002
EP 0530768	A	10-03-1993	AT 133928 T	15-02-1996
			BR 9203431 A	06-04-1993
			CZ 9202743 A3	17-03-1993
			DE 59205287 D1	21-03-1996
			EP 0530768 A1	10-03-1993
			ES 2083041 T3	01-04-1996
			JP 5201756 A	10-08-1993
			MX 9205038 A1	30-07-1993
			US 5387626 A	07-02-1995
US 4664816	A	12-05-1987	NONE	